APPENDIX C

C.1 Discharge Monitoring Report (863 - Report of Test Results)

PURPOSE: This implementation of the 863 Report of Test Results is used for the submission of the Discharge Monitoring Report to the EPA. One 863 transaction will be used to submit an entire DMR, i.e., all discharge monitoring data from a permittee for one monitoring period.

TIMING: A translated DMR must be received by the EPA Region or NPDES delegated State in accordance with the DMR submittal date of the state of the site reporting data. It is the responsibility of the permittee submitting the DMR to assure that a translatable transaction is received by EPA or State in a timely manner.

TRANSACTION SET: ASC X12 Report of Test Results (863), Version/Release 003041.

NOTE:

The following symbols are found in the convention:

>>	indicates an element is required
X	indicates an element is not used

Replace Transactions: A Replace Transaction is identified by a "05" code in BTR01. It is used to cancel a previously submitted DMR. PCS will overlay all previously submitted data.

Zero Values: Standard ASC X12 translation procedures eliminate zero values. The submitter must modify their translator to report a zero value when one is to be reported.

REGION AND STATE ROUTING CODE LIST

This is a code used to direct information within the EPA Region or State offices. Select the code for the appropriate Region or State and place it in the N1 Segment, in N104 when N101 = ZD.

Region / State	N104 Code
Region VI	6WEA

863 Report of Test Results

Functional Group ID = RT

Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Report of Test Results Transaction Set (863) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to transmit the results of tests performed to satisfy a specified product or process requirement. This includes, but is not limited to, test data such as inspection data, certification data, and statistical process control measurements.

Heading:

No.	Pos. ID	Seg. Name	Des.	Req. Max.Use		Loop Repeat	Notes and Comments
	010	ST	Transaction Set Header	M	1		
	020	BTR	Beginning Segment for Test Results	M	1		
	030	NTE	Note/Special Instruction	F	100		
Not Used	040	REF	Reference Numbers	O	12		
	050	DTM	Date/Time/Period	O	10		
Not Used	060	PID	Product/Item Description	O	200		
Not Used	065	TMD	Test Method	O	1		
Not Used	070	MEA	Measurements	O	20		
			LOOP ID - N1			>1	
	080	N1	Name	O	1		
Not Used	090	N2	Additional Name Information	O	2		
Not Used	100	N3	Address Information	O	2		
Not Used	110	N4	Geographic Location	O	1		
	120	REF	Reference Numbers	O	12		
			LOOP ID - PER			>1	
	130	PER	Administrative Communications Contact	O	1		
	140	REF	Reference Numbers	O	>1		n1

Detail:

Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
		LOOP ID - LIN			>1	
010	LIN	Item Identification	O	1		

	011	NTE	Note/Special Instruction	F	100	
	020	PID	Product/Item Description	O	1000	
Not Used	025	TMD	Test Method	O	1	
	030	MEA	Measurements	O	20	
Not Used	031	PSD	Physical Sample Description	O	>1	
Not Used	032	SPS	Sampling Parameters for Summary Statistics	O	>1	
Not Used	034	QTY	Quantity	O	10	
Not Used	040	DTM	Date/Time/Period	O	10	
Not Used	050	REF	Reference Numbers	O	1000	
			LOOP ID - N1		10	
Not Used	051	N1	Name	O	1	
Not Used	052	N2	Additional Name Information	O	2	
Not Used	053	N3	Address Information	O	2	
Not Used	054	N4	Geographic Location	O	1	
Not Used	055	REF	Reference Numbers	O	10	
Not Used	056	PER	Administrative Communications Contact	O	3	
Not Used	057	QTY	Quantity	O	10	
			LOOP ID - CID		>1	
	060	CID	Characteristic/Class ID	O	1	
Not Used	070	UIT	Unit Detail	O	1	
Not Used	090	PSD	Physical Sample Description	O	>1	
Not Used	100	SPS	Sampling Parameters for Summary Statistics	O	>1	
Not Used	120	DTM	Date/Time/Period	O	10	
Not Used	130	REF	Reference Numbers	O	10	
			LOOP ID - MEA		>1	
	150	MEA	Measurements	O	1	
Not Used	160	DTM	Date/Time/Period	O	10	
Not Used	170	REF	Reference Numbers	O	10	
			LOOP ID - LM		>1	
	172	LM	Code Source Information	O	1	
	174	LQ	Industry Code	M	>1	
			LOOP ID - STA		>1	
Not Used	180	STA	Statistics	O	1	
Not Used	190	DTM	Date/Time/Period	O	10	

Not Used	195	REF	Reference Numbers	O	10			
			LOOP ID - LM			>1		
Not Used	197	LM	Code Source Information	O	1			
Not Used	200	LQ	Industry Code	M	>1			
			LOOP ID - TMD			100		
Not Used	201	TMD	Test Method	O	1			
Not Used	202	MEA	Measurements	O	>1			
Not Used	203	DTM	Date/Time/Period	O	10			
Not Used	204	REF	Reference Numbers	O	10			
			LOOP ID - TSP			>1		
Not Used	210	TSP	Test Period or Interval	O	1			
Not Used	220	MEA	Measurements	O	>1			
Not Used	230	DTM	Date/Time/Period	O	10			
Not Used	240	REF	Reference Numbers	O	10			
			LOOP ID - LM			>1		
Not Used	242	LM	Code Source Information	O	1			
Not Used	244	LQ	Industry Code	M	>1			

Summary:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
Not Used	005	CTT	Transaction Totals	O	1		
	010	SE	Transaction Set Trailer	M	1		

Transaction Set Notes

1. The REF segment is to be used to send identification numbers associated with party referenced in the PER.

Segment: **ST** **Transaction Set Header**
Position: 010
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the start of a transaction set and to assign a control number
Syntax Notes:
Semantic Notes: **1** The transaction set identifier (ST01) used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the invoice transaction set).
Comments:
Notes: Example: ST*863*0001 N/L

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
> >	**ST01**	**143**	**Transaction Set Identifier Code** Code uniquely identifying a Transaction Set. 863 X12.41 Report of Test Results	**M**	**ID**	**3/3**
> >	**ST02**	**329**	**Transaction Set Control Number** Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set Start with 00001 and increment by one for each subsequent transaction set.	**M**	**AN**	**4/9**

Segment: **BTR** **Beginning Segment for Test Results**
Position: 020
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the beginning of a test results transaction set.
Syntax Notes:
Semantic Notes:
1 If BTR01 equals 01, 02, 03, 04, 05, 18 or 19, then BTR06 is required to identify the original test report reference number transmitted.
2 BTR02 is the date that this transaction set was created by the sending party.
3 BTR03 is the time that this transaction set was created by the sending party.
4 BTR05 specifies test results report reference number created by the sending party.
Comments:
Notes: Example: BTR*05*941202*1030*DJ*628307*62502 N/L

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
> >	**BTR01**	**353**	**Transaction Set Purpose Code** Code identifying purpose of transaction set. 00 Original 05 Replace 05 is used to cancel the entire DMR transaction referenced in BTR06 and replace it with this transaction set (identified in BTR05).	**M**	**ID**	**2/2**
> >	**BTR02**	**373**	**Date** Date (YYMMDD). DMR creation date (set by sender's application).	**M**	**DT**	**6/6**
> >	**BTR03**	**337**	**Time** Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99) DMR creation time (set by sender's application).	**O**	**TM**	**4/8**
> >	**BTR04**	**755**	**Report Type Code** Code indicating the title or contents of a document, report or supporting item DJ Discharge Monitoring Report	**O**	**ID**	**2/2**
> >	**BTR05**	**127**	**Reference Number** Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.	**O**	**AN**	**1/30**
	BTR06	**127**	**Reference Number** Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.	**O**	**AN**	**1/30**

If BTR01 = 05, BTR06 contains the Reference Number (BTR05) of the DMR Transaction set it is replacing.

Segment: **NTE** **Note/Special Instruction**
Position: 030
Loop:
Level: Heading
Usage: Floating
Max Use: 100
Purpose: To transmit information in a free-form format, if necessary, for comment or special instruction
Syntax Notes:
Semantic Notes:
Comments: **1** The NTE segment permits free-form information/data which,under ANSI X12 standard implementations, is not machine processable. The use of the ``NTE" segment should therefore be avoided, if at all possible, in an automated environment.
Notes: This note segment carries comments that pertain to the entire Permit Number located in REF02 for this submission of the DMR. This application utilizes a maximum of 10 NTE segments.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
	NTE01	**363**	**Note Reference Code** Code identifying the functional area or purpose for which the note applies. NCD Nonconformance Specification	**O**	**ID**	**3/3**
> >	**NTE02**	**3**	**Free Form Message** Free-form text.	**M**	**AN**	**1/60**

Segment: **DTM** **Date/Time/Period**
Position: 050
Loop:
Level: Heading
Usage: Optional
Max Use: 10
Purpose: To specify pertinent dates and times
Syntax Notes: **1** At least one of DTM02 DTM03 or DTM06 is required.
2 If either DTM06 or DTM07 is present, then the other is required.
Semantic Notes:
Comments:
Notes: Three occurrences of this segment are required. One specifies the Monitoring Period Start Date, the second the Monitoring Period End Date, the third the Signature Date.

Example: DTM*458*940115 N/L
DTM*090*941201 N/L
DTM*091*941231 N/L

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
>>	**DTM01**	**374**	**Date/Time Qualifier** Code specifying type of date or time, or both date and time. 090 Report Start 091 Report End 458 Certification Date of a document attesting to a fact	**M**	**ID**	**3/3**
>>	**DTM02**	**373**	**Date** Date (YYMMDD).	**X**	**DT**	**6/6**
X	**DTM03**	**337**	**Time** Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	**X**	**TM**	**4/8**
X	**DTM04**	**623**	**Time Code** Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time. Since + is a restricted character, + and - are substituted by P and M in the codes that follow. Refer to 003041 Data Element Dictionary for acceptable code values.	**O**	**ID**	**2/2**
X	**DTM05**	**624**	**Century** The first two characters in the designation of the year (CCYY).	**O**	**N0**	**2/2**
X	**DTM06**	**1250**	**Date Time Period Format Qualifier** Code indicating the date format, time format, or date and time format. Refer to 003041 Data Element Dictionary for acceptable code values.	**X**	**ID**	**2/3**

X	**DTM07**	**1251**	**Date Time Period**	**X**	**AN**	**1/35**

Expression of a date, a time, or range of dates, times or dates and times.

Segment: **N1** **Name**
Position: 080
Loop: N1
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To identify a party by type of organization, name and code
Syntax Notes: **1** At least one of N102 or N103 is required.
2 If either N103 or N104 is present, then the other is required.
Semantic Notes:
Comments: **1** This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
2 N105 and N106 further define the type of entity in N101.
Notes: Two occurrences of the N1 loop may appear in the transaction set. One is required to identify the submitter of the DMR (i.e., the Permit Holder) and the second identifies the U.S. EPA Office.

Example: N1*8D*ABC Company N/L
N1*ZD**94*6WEA N/L

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
>>	**N101**	**98**	**Entity Identifier Code**	**M**	**ID**	**2/2**
			Code identifying an organizational entity, a physical location, or an individual			
			8D Permit Holder			
			ZD Party to Receive Reports			
			The organization designated to receive reports			
	N102	**93**	**Name**	**X**	**AN**	**1/35**
			Free-form name.			
	N103	**66**	**Identification Code Qualifier**	**X**	**ID**	**1/2**
			Code designating the system/method of code structure used for Identification Code (67).			
			94 Code assigned by the organization that is the ultimate destination of the transaction set			
			Used when N101 = ZD to specify a code used by the recipient of the transaction.			
	N104	**67**	**Identification Code**	**X**	**AN**	**2/20**
			Code identifying a party or other code.			
X	**N105**	**706**	**Entity Relationship Code**	**O**	**ID**	**2/2**
			Code describing entity relationship.			

When N101 = ZD, Refer to C.2, Region/State Code List for the appropriate code.

Refer to 003041 Data Element Dictionary for acceptable code values.

X	**N106**	**98**	**Entity Identifier Code**	**O**	**ID**	**2/2**

Code identifying an organizational entity, a physical location, or an individual

Refer to 003041 Data Element Dictionary for acceptable code values.

Segment: **REF** **Reference Numbers**
Position: 120
Loop: N1
Level: Heading
Usage: Optional
Max Use: 12
Purpose: To specify identifying numbers.
Syntax Notes: **1** At least one of REF02 or REF03 is required.
Semantic Notes:
Comments:
Notes: This segment contains the NPDES permit number of the permit holder submitting the DMR.

Example: REF*PN*XXD003301 N/L

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
> >	**REF01**	**128**	**Reference Number Qualifier** Code qualifying the Reference Number. PN Permit Number	**M**	**ID**	**2/2**
> >	**REF02**	**127**	**Reference Number** Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier. NPDES permit number.	**X**	**AN**	**1/30**
X	**REF03**	**352**	**Description** A free-form description to clarify the related data elements and their content.	**X**	**AN**	**1/80**

Segment: **PER** **Administrative Communications Contact**
Position: 130
Loop: PER
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To identify a person or office to whom administrative communications should be directed
Syntax Notes: **1** If either PER03 or PER04 is present, then the other is required.
2 If either PER05 or PER06 is present, then the other is required.
Semantic Notes:
Comments:
Notes: Two iterations of this loop may occur. One is required to identify the name, title, and telephone number of the Principle Executive officier. The second is used to identify an Authorized Agent than the Principle Executive Officier.

Example: PER*CE*John Smith*TE*(800) 555-1212 N/L
PER*AA*Joe Johnson*TE*(800) 555-1213 N/L

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
> >	**PER01**	**366**	**Contact Function Code**	**M**	**ID**	**2/2**
			Code identifying the major duty or responsibility of the person or group named.			
			Select an appropriate title from code table 366. If an appropriate title is not found, use CE-Certifier.			
			AA Authorized Representative			
			CE Certifier			
> >	**PER02**	**93**	**Name**	**O**	**AN**	**1/35**
			Free-form name.			
> >	**PER03**	**365**	**Communication Number Qualifier**	**O**	**ID**	**2/2**
			Code identifying the type of communication number.			
			TE Telephone			
> >	**PER04**	**364**	**Communication Number**	**O**	**AN**	**1/80**
			Complete communications number including country or area code when applicable.			
			Complete telephone number including country and/or area code if applicable.			
X	**PER05**	**365**	**Communication Number Qualifier**	**O**	**ID**	**2/2**
			Code identifying the type of communication number.			
			Refer to 003041 Data Element Dictionary for acceptable code values.			
X	**PER06**	**364**	**Communication Number**	**O**	**AN**	**1/80**
			Complete communications number including country or area code when applicable.			

Segment: **REF** **Reference Numbers**
Position: 140
Loop: PER
Level: Heading
Usage: Optional
Max Use: >1
Purpose: To specify identifying numbers.
Syntax Notes: **1** At least one of REF02 or REF03 is required.
Semantic Notes:
Comments:
Notes: Required to carry the PIN number of the Certifier.

Example: REF*4A*534111 N/L

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
> >	**REF01**	**128**	**Reference Number Qualifier** Code qualifying the Reference Number. 4A Personal Identification Number (PIN) A number that uniquely identifies an individual	**M**	**ID**	**2/2**
> >	**REF02**	**127**	**Reference Number** Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.	**X**	**AN**	**1/30**
X	**REF03**	**352**	**Description** A free-form description to clarify the related data elements and their content.	**X**	**AN**	**1/80**

Segment: **LIN** **Item Identification**
Position: 010
Loop: LIN
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify basic item identification data.
Syntax Notes:
1 If either LIN04 or LIN05 is present, then the other is required.
2 If either LIN06 or LIN07 is present, then the other is required.
3 If either LIN08 or LIN09 is present, then the other is required.
4 If either LIN10 or LIN11 is present, then the other is required.
5 If either LIN12 or LIN13 is present, then the other is required.
6 If either LIN14 or LIN15 is present, then the other is required.
7 If either LIN16 or LIN17 is present, then the other is required.
8 If either LIN18 or LIN19 is present, then the other is required.
9 If either LIN20 or LIN21 is present, then the other is required.
10 If either LIN22 or LIN23 is present, then the other is required.
11 If either LIN24 or LIN25 is present, then the other is required.
12 If either LIN26 or LIN27 is present, then the other is required.
13 If either LIN28 or LIN29 is present, then the other is required.
14 If either LIN30 or LIN31 is present, then the other is required.
Semantic Notes:
1 LIN01 is the line item identification
Comments:
1 See the Data Dictionary for a complete list of ID's.
2 LIN02 through LIN31 provide for fifteen (15) different product/service ID's for each item. For Example: Case, Color, Drawing No., UPC No., ISBN No., Model No., SKU.

Notes: The LIN loop occurs multiple times. Each occurrence corresponds to one parameter line of the DMR form.

This segment is required to open the loop and identify the Discharge Number.

Example: LIN*1*P5*001A N/L

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
> >	**LIN01**	**350**	**Assigned Identification**	**O**	**AN**	**1/11**
			Alphanumeric characters assigned for differentiation within a transaction set.			
			Sequential number to uniquely identify the repetition of the loop.			
> >	**LIN02**	**235**	**Product/Service ID Qualifier**	**M**	**ID**	**2/2**
			Code identifying the type/source of the descriptive number used in Product/Service ID (234).			
			P5 Material Discharge Number			
			Number identifying the point where material is discharged			
> >	**LIN03**	**234**	**Product/Service ID**	**M**	**AN**	**1/30**
			Identifying number for a product or service.			
			Value representing the Discharge Number.			
X	**LIN04**	**235**	**Product/Service ID Qualifier**	**O**	**ID**	**2/2**

Code identifying the type/source of the descriptive number used in Product/Service ID (234).

Refer to 003041 Data Element Dictionary for acceptable code values.

X	**LIN05**	**234**	**Product/Service ID**	**O**	**AN**	**1/30**

Identifying number for a product or service.

X	**LIN06**	**235**	**Product/Service ID Qualifier**	**O**	**ID**	**2/2**

Code identifying the type/source of the descriptive number used in Product/Service ID (234).

Refer to 003041 Data Element Dictionary for acceptable code values.

X	**LIN07**	**234**	**Product/Service ID**	**O**	**AN**	**1/30**

Identifying number for a product or service.

X	**LIN08**	**235**	**Product/Service ID Qualifier**	**O**	**ID**	**2/2**

Code identifying the type/source of the descriptive number used in Product/Service ID (234).

Refer to 003041 Data Element Dictionary for acceptable code values.

X	**LIN09**	**234**	**Product/Service ID**	**O**	**AN**	**1/30**

Identifying number for a product or service.

X	**LIN10**	**235**	**Product/Service ID Qualifier**	**O**	**ID**	**2/2**

Code identifying the type/source of the descriptive number used in Product/Service ID (234).

Refer to 003041 Data Element Dictionary for acceptable code values.

X	**LIN11**	**234**	**Product/Service ID**	**O**	**AN**	**1/30**

Identifying number for a product or service.

X	**LIN12**	**235**	**Product/Service ID Qualifier**	**O**	**ID**	**2/2**

Code identifying the type/source of the descriptive number used in Product/Service ID (234).

Refer to 003041 Data Element Dictionary for acceptable code values.

X	**LIN13**	**234**	**Product/Service ID**	**O**	**AN**	**1/30**

Identifying number for a product or service.

X	**LIN14**	**235**	**Product/Service ID Qualifier**	**O**	**ID**	**2/2**

Code identifying the type/source of the descriptive number used in Product/Service ID (234).

Refer to 003041 Data Element Dictionary for acceptable code values.

X	**LIN15**	**234**	**Product/Service ID**	**O**	**AN**	**1/30**

Identifying number for a product or service.

X	**LIN16**	**235**	**Product/Service ID Qualifier**	**O**	**ID**	**2/2**

Code identifying the type/source of the descriptive number used in Product/Service ID (234).

Refer to 003041 Data Element Dictionary for acceptable code values.

X	**LIN17**	**234**	**Product/Service ID**	**O**	**AN**	**1/30**

Identifying number for a product or service.

X	**LIN18**	**235**	**Product/Service ID Qualifier**	**O**	**ID**	**2/2**

Code identifying the type/source of the descriptive number used in Product/Service ID (234).

Refer to 003041 Data Element Dictionary for acceptable code values.

X	**LIN19**	**234**	**Product/Service ID**	**O**	**AN**	**1/30**

Identifying number for a product or service.

X	**LIN20**	**235**	**Product/Service ID Qualifier**	**O**	**ID**	**2/2**

Code identifying the type/source of the descriptive number used in Product/Service ID (234).

Refer to 003041 Data Element Dictionary for acceptable code values.

X	**LIN21**	**234**	**Product/Service ID**	**O**	**AN**	**1/30**

Identifying number for a product or service.

X	**LIN22**	**235**	**Product/Service ID Qualifier**	**O**	**ID**	**2/2**

Code identifying the type/source of the descriptive number used in Product/Service ID (234).

Refer to 003041 Data Element Dictionary for acceptable code values.

X	**LIN23**	**234**	**Product/Service ID**	**O**	**AN**	**1/30**

Identifying number for a product or service.

X	**LIN24**	**235**	**Product/Service ID Qualifier**	**O**	**ID**	**2/2**

Code identifying the type/source of the descriptive number used in Product/Service ID (234).

Refer to 003041 Data Element Dictionary for acceptable code values.

X	**LIN25**	**234**	**Product/Service ID**	**O**	**AN**	**1/30**

Identifying number for a product or service.

X	**LIN26**	**235**	**Product/Service ID Qualifier**	**O**	**ID**	**2/2**

Code identifying the type/source of the descriptive number used in Product/Service ID (234).

Refer to 003041 Data Element Dictionary for acceptable code values.

X	**LIN27**	**234**	**Product/Service ID**	**O**	**AN**	**1/30**

Identifying number for a product or service.

X	**LIN28**	**235**	**Product/Service ID Qualifier**	**O**	**ID**	**2/2**

Code identifying the type/source of the descriptive number used in Product/Service ID (234).

Refer to 003041 Data Element Dictionary for acceptable code values.

X	**LIN29**	**234**	**Product/Service ID**	**O**	**AN**	**1/30**

Identifying number for a product or service.

X	**LIN30**	**235**	**Product/Service ID Qualifier**	**O**	**ID**	**2/2**

Code identifying the type/source of the descriptive number used in Product/Service ID (234).

Refer to 003041 Data Element Dictionary for acceptable code values.

X	**LIN31**	**234**	**Product/Service ID**	**O**	**AN**	**1/30**
			Identifying number for a product or service.			

Segment: **NTE** **Note/Special Instruction**
Position: 011
Loop: LIN
Level: Detail
Usage: Floating
Max Use: 100
Purpose: To transmit information in a free-form format, if necessary, for comment or special instruction
Syntax Notes:
Semantic Notes:
Comments: **1** The NTE segment permits free-form information/data which,under ANSI X12 standard implementations, is not machine processable. The use of the ``NTE" segment should therefore be avoided, if at all possible, in an automated environment.

Notes: The NTE segment carries text from the "Comment and explaination of any violations" section of the DMR. Specifically, this NTE carries discharge and parameter level notes. If discharge level notes are carried, no other segments in the LIN loop are necessary.

Permit level notes are carried in the header table.

Example: NTE*NCD*Additional test information N/L

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
	NTE01	**363**	**Note Reference Code** Code identifying the functional area or purpose for which the note applies. NCD Nonconformance Specification	**O**	**ID**	**3/3**
> >	**NTE02**	**3**	**Free Form Message** Free-form text.	**M**	**AN**	**1/60**

Segment: **PID** **Product/Item Description**
Position: 020
Loop: LIN
Level: Detail
Usage: Optional
Max Use: 1000
Purpose: To describe a product or process in coded or free-form format
Syntax Notes:
1 If PID04 is present, then PID03 is required.
2 At least one of PID04 or PID05 is required.
3 If PID07 is present, then PID03 is required.
4 If PID08 is present, then PID03 is required.
Semantic Notes:
1 Use PID03 to indicate the organization that publishes the code list being referred to.
2 PID04 should be used for industry-specific product description codes.
3 PID08 describes the physical characteristics of the product identified in PID04. A ``Y" indicates that the specified attribute applies to this item. A ``N" indicates it does not apply. Any other value is indeterminate.
Comments:
1 If PID01 = ``F", then PID05 is used. If PID01 = ``S", then PID04 is used. If PID01 = ``X", then both PID04 and PID05 are used.
2 Use PID06 when necessary to refer to the product surface or layer being described in the segment.
3 PID07 specifies the individual code list of the agency specified in PID03.
Notes: This segment specifies the Parameter Code, Monitoring Location Code, Frequency of Analysis Code, Sample Type Code, and No Discharge Code. It may occur a maximum of five times. When it is necessary to use the LIN loop to communicate comments pertaining to a specific Discharge Number, the PID segment is not used. When it is necessary to communicate comments that are applicable to a specific parameter within a Discharge Number, the appropriate PID segments are necessary.

Example: PID*S*08*EP*TAB1B***PCS160

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
> >	**PID01**	**349**	**Item Description Type**	**M**	**ID**	**1/1**
			Code indicating the format of a description.			
			S Structured (From Industry Code List)			
> >	**PID02**	**750**	**Product/Process Characteristic Code**	**O**	**ID**	**2/3**
			Code identifying the general class of a product or process characteristic			
			At least one of the 08 or 88 is required for each iteration of the LIN loop.			
			08 Product			
			PCS Parameter Code from PCS Table 160; PID07 = PCS160.			
			12 Type and/or Process			
			PCS Sample Type Code from PCS Table 150; PID07 = PCS150.			
			28 Test Sample Frequency			
			PCS Frequency of Analysis Code from PCS Table 050;			

PID07 = PCS050.

29 Test Sample Location

PCS Monitoring Location Code from PCS Table 080; PID07 = PCS080.

88 Flow

PCS No Discharge Indicator Code from PCS Table 490; PID07 = PCS490.

> >	**PID03**	**559**	**Agency Qualifier Code**	**X**	**ID**	**2/2**

Code identifying the agency assigning the code values.

EP United States Environmental Protection Agency (EPA)

> >	**PID04**	**751**	**Product Description Code**	**X**	**AN**	**1/12**

A code from an industry code list which provides specific data about a product characteristic.

The appropiate code value from PCS table indicated in PID07.

X	**PID05**	**352**	**Description**	**X**	**AN**	**1/80**

A free-form description to clarify the related data elements and their content.

X	**PID06**	**752**	**Surface/Layer/Position Code**	**O**	**ID**	**2/2**

Code indicating the product surface, layer or position that is being described.

Refer to 003041 Data Element Dictionary for acceptable code values.

> >	**PID07**	**822**	**Source Subqualifier**	**O**	**AN**	**1/15**

A reference that indicates the table or text maintained by the Source Qualifier.

PCS160 when PID02 = 08; PCS150 when PID02 = 12; PCS050 when PID02 = 28; PCS080 when PID02 = 29; PCS490 when PID02 = 88.

X	**PID08**	**1073**	**Yes/No Condition or Response Code**	**O**	**ID**	**1/1**

Code indicating a Yes or No condition or response.

Refer to 003041 Data Element Dictionary for acceptable code values.

Segment: **MEA** **Measurements**
Position: 030
Loop: LIN
Level: Detail
Usage: Optional
Max Use: 20
Purpose: To specify physical measurements or counts, including dimensions, tolerances, variances, and weights (See Figures Appendix for example of use of C001.)
Syntax Notes:
1 At least one of MEA03 MEA05 MEA06 or MEA08 is required.
2 If MEA05 is present, then MEA04 is required.
3 If MEA06 is present, then MEA04 is required.
4 If MEA07 is present, then at least one of MEA03 MEA05 or MEA06 is required.
5 Only one of MEA08 or MEA03 may be present.
Semantic Notes:
1 MEA04 defines the unit of measure for MEA03, MEA05, and MEA06.
Comments:
1 When citing dimensional tolerances, any measurement requiring a sign (+ or -), or any measurement where a positive (+) value cannot be assumed use MEA05 as the negative (-) value and MEA06 as the positive (+) value.
Notes: Example: MEA*CT**3*1N N/L

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
	MEA01	**737**	**Measurement Reference ID Code** Code identifying the broad category to which a measurement applies CT Counts	**O**	**ID**	**2/2**
X	**MEA02**	**738**	**Measurement Qualifier** Code identifying a specific product or process characteristic to which a measurement applies Refer to 003041 Data Element Dictionary for acceptable code values.	**O**	**ID**	**1/3**
> >	**MEA03**	**739**	**Measurement Value** The value of the measurement. Number of Excursions value. A zero value must be communicated when there are no Excursions. This field is a maximun of 2 characters for this implementation.	**X**	**R**	**1/10**
> >	**MEA04**	**C001**	**Composite Unit of Measure** To identify a composite unit of measure (See Figures Appendix for examples of use.)	**X**		
> >	**C00101**	**355**	**Unit or Basis for Measurement Code** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken 1N Count	**M**	**ID**	**2/2**
X	**C00102**	**1018**	**Exponent** Power to which a unit is raised.	**O**	**R**	**1/15**
X	**C00103**	**649**	**Multiplier** Value to be used as a multiplier to obtain a new value	**O**	**R**	**1/10**

X	**C00104**	**355**	**Unit or Basis for Measurement Code**	**O**	**ID**	**2/2**
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 003041 Data Element Dictionary for acceptable code values.			
X	**C00105**	**1018**	**Exponent**	**O**	**R**	**1/15**
			Power to which a unit is raised.			
X	**C00106**	**649**	**Multiplier**	**O**	**R**	**1/10**
			Value to be used as a multiplier to obtain a new value			
X	**C00107**	**355**	**Unit or Basis for Measurement Code**	**O**	**ID**	**2/2**
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 003041 Data Element Dictionary for acceptable code values.			
X	**C00108**	**1018**	**Exponent**	**O**	**R**	**1/15**
			Power to which a unit is raised.			
X	**C00109**	**649**	**Multiplier**	**O**	**R**	**1/10**
			Value to be used as a multiplier to obtain a new value			
X	**C00110**	**355**	**Unit or Basis for Measurement Code**	**O**	**ID**	**2/2**
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 003041 Data Element Dictionary for acceptable code values.			
X	**C00111**	**1018**	**Exponent**	**O**	**R**	**1/15**
			Power to which a unit is raised.			
X	**C00112**	**649**	**Multiplier**	**O**	**R**	**1/10**
			Value to be used as a multiplier to obtain a new value			
X	**C00113**	**355**	**Unit or Basis for Measurement Code**	**O**	**ID**	**2/2**
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 003041 Data Element Dictionary for acceptable code values.			
X	**C00114**	**1018**	**Exponent**	**O**	**R**	**1/15**
			Power to which a unit is raised.			
X	**C00115**	**649**	**Multiplier**	**O**	**R**	**1/10**
			Value to be used as a multiplier to obtain a new value			
X	**MEA05**	**740**	**Range Minimum**	**X**	**R**	**1/10**
			The value specifying the minimum of the measurement range.			
X	**MEA06**	**741**	**Range Maximum**	**X**	**R**	**1/10**
			The value specifying the maximum of the measurement range.			
X	**MEA07**	**935**	**Measurement Significance Code**	**O**	**ID**	**2/2**
			Code used to benchmark, qualify or further define a measurement value. Refer to 003041 Data Element Dictionary for acceptable code values.			

X	**MEA08**	**936**	**Measurement Attribute Code** Code used to express an attribute response when a numeric measurement value cannot be determined. Refer to 003041 Data Element Dictionary for acceptable code values.	**X**	**ID**	**2/2**
X	**MEA09**	**752**	**Surface/Layer/Position Code** Code indicating the product surface, layer or position that is being described. Refer to 003041 Data Element Dictionary for acceptable code values.	**O**	**ID**	**2/2**
X	**MEA10**	**1373**	**Measurement Method or Device** The method or device used to record the measurement Refer to 003041 Data Element Dictionary for acceptable code values.	**O**	**ID**	**2/4**

Segment: **CID** **Characteristic/Class ID**
Position: 060
Loop: CID
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify the general class or specific characteristic upon which test results are being reported or are to be taken
Syntax Notes:
1 At least one of CID01 CID02 CID04 or CID05 is required.
2 If either CID03 or CID04 is present, then the other is required.
3 If CID06 is present, then both CID03 and CID04 are required.
4 If CID07 is present, then at least one of CID04 or CID05 is required.
Semantic Notes:
Comments:
1 CID06 specifies the individual code list of the agency specified in CID03.
2 CID07 refers to whether or not the characteristic identified in CID04 or CID05 or both is affected by the product change. If it is affected, the value is ``Y". A value of ``N" is used when it is known that it will not be affected. Any other value indicates it is indeterminate.
Notes: This loop occurs once within the LIN loop to specify PCS measurement/unit-code combinations.

Example: CID*TR N/L

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
> >	**CID01**	**738**	**Measurement Qualifier** Code identifying a specific product or process characteristic to which a measurement applies TR Length Type: Random Used as a placed holder in order to initiate the loop.	**X**	**ID**	**1/3**
X	**CID02**	**750**	**Product/Process Characteristic Code** Code identifying the general class of a product or process characteristic Refer to 003041 Data Element Dictionary for acceptable code values.	**X**	**ID**	**2/3**
X	**CID03**	**559**	**Agency Qualifier Code** Code identifying the agency assigning the code values. Refer to 003041 Data Element Dictionary for acceptable code values.	**X**	**ID**	**2/2**
X	**CID04**	**751**	**Product Description Code** A code from an industry code list which provides specific data about a product characteristic.	**X**	**AN**	**1/12**
X	**CID05**	**352**	**Description** A free-form description to clarify the related data elements and their content.	**X**	**AN**	**1/80**
X	**CID06**	**822**	**Source Subqualifier** A reference that indicates the table or text maintained by the Source Qualifier.	**O**	**AN**	**1/15**
X	**CID07**	**1073**	**Yes/No Condition or Response Code**	**O**	**ID**	**1/1**

Code indicating a Yes or No condition or response.

Refer to 003041 Data Element Dictionary for acceptable code values.

Segment: **MEA** **Measurements**
Position: 150
Loop: MEA
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify physical measurements or counts, including dimensions, tolerances, variances, and weights (See Figures Appendix for example of use of C001.)
Syntax Notes:
1 At least one of MEA03 MEA05 MEA06 or MEA08 is required.
2 If MEA05 is present, then MEA04 is required.
3 If MEA06 is present, then MEA04 is required.
4 If MEA07 is present, then at least one of MEA03 MEA05 or MEA06 is required.
5 Only one of MEA08 or MEA03 may be present.
Semantic Notes:
1 MEA04 defines the unit of measure for MEA03, MEA05, and MEA06.
Comments:
1 When citing dimensional tolerances, any measurement requiring a sign (+ or -), or any measurement where a positive (+) value cannot be assumed use MEA05 as the negative (-) value and MEA06 as the positive (+) value.

Notes:
This loop may occur 5 times within the LIN/CID loop; once each for "Quality or Concentration" minimum, maximum, and average measurements; and once each for "Quantity or Loading" maximum and average measurements.

Average are reported in MEA03.
Minimum values are reported in MEA05.
Maximum values are reported in MEA06.

Example: MEA*TR*CON**EA*6.3 N/L (Concentration minimum is 6.3)
MEA*TR*CON*2.3*EA N/L (Concentration average is 2.3)
MEA*TR*CON**EA**1047*07 N/L (Concentration maximum < 1047)
MEA*TR*QUR**EA**1000*07 N/L (Quantity max is less than 1000)
MEA*TR*QUR*99999***23 N/L (Aver. qty. too numerous to count.)

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
> >	**MEA01**	**737**	**Measurement Reference ID Code** Code identifying the broad category to which a measurement applies TR Test Results Indicates that the data to follow are the results test measurements	**O**	**ID**	**2/2**
> >	**MEA02**	**738**	**Measurement Qualifier** Code identifying a specific product or process characteristic to which a measurement applies CON Concentration The relative amount of a component of a sample of product containing multiple components QUR Reportable Quantity	**O**	**ID**	**1/3**
	MEA03	**739**	**Measurement Value** The value of the measurement.	**X**	**R**	**1/10**

			An average value is reported here. Only eight charactars are accepted by the application for this value. A zero value must be communicated when a zero value is being reported.			
> >	**MEA04**	**C001**	**Composite Unit of Measure**	**X**		
			To identify a composite unit of measure (See Figures Appendix for examples of use.)			
> >	**C00101**	**355**	**Unit or Basis for Measurement Code**	**M**	**ID**	**2/2**
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken			
			EA Each			
			This code is used as a dummy unit of measure. The PCS unit code is carried in the LM/LQ loop.			
X	**C00102**	**1018**	**Exponent**	**O**	**R**	**1/15**
			Power to which a unit is raised.			
X	**C00103**	**649**	**Multiplier**	**O**	**R**	**1/10**
			Value to be used as a multiplier to obtain a new value			
X	**C00104**	**355**	**Unit or Basis for Measurement Code**	**O**	**ID**	**2/2**
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken			
			Refer to 003041 Data Element Dictionary for acceptable code values.			
X	**C00105**	**1018**	**Exponent**	**O**	**R**	**1/15**
			Power to which a unit is raised.			
X	**C00106**	**649**	**Multiplier**	**O**	**R**	**1/10**
			Value to be used as a multiplier to obtain a new value			
X	**C00107**	**355**	**Unit or Basis for Measurement Code**	**O**	**ID**	**2/2**
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken			
			Refer to 003041 Data Element Dictionary for acceptable code values.			
X	**C00108**	**1018**	**Exponent**	**O**	**R**	**1/15**
			Power to which a unit is raised.			
X	**C00109**	**649**	**Multiplier**	**O**	**R**	**1/10**
			Value to be used as a multiplier to obtain a new value			
X	**C00110**	**355**	**Unit or Basis for Measurement Code**	**O**	**ID**	**2/2**
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken			
			Refer to 003041 Data Element Dictionary for acceptable code values.			
X	**C00111**	**1018**	**Exponent**	**O**	**R**	**1/15**
			Power to which a unit is raised.			
X	**C00112**	**649**	**Multiplier**	**O**	**R**	**1/10**
			Value to be used as a multiplier to obtain a new value			

X	**C00113**	**355**	**Unit or Basis for Measurement Code**	**O**	**ID**	**2/2**
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 003041 Data Element Dictionary for acceptable code values.			
X	**C00114**	**1018**	**Exponent**	**O**	**R**	**1/15**
			Power to which a unit is raised.			
X	**C00115**	**649**	**Multiplier**	**O**	**R**	**1/10**
			Value to be used as a multiplier to obtain a new value			
	MEA05	**740**	**Range Minimum**	**X**	**R**	**1/10**
			The value specifying the minimum of the measurement range. The application for this convention only accepts 8 characters. A zero value must be communicated when a zero value is being reported.			
	MEA06	**741**	**Range Maximum**	**X**	**R**	**1/10**
			The value specifying the maximum of the measurement range. The application for this convention only accepts 8 characters. A zero value must be communicated when a zero value is being reported.			
	MEA07	**935**	**Measurement Significance Code**	**O**	**ID**	**2/2**
			Code used to benchmark, qualify or further define a measurement value. 03 Approximately 06 Greater than 07 Less than 23 Predicted 23 is used in this instance as a place holder for 'Too Numerous to Count'. If MEA07 = 23, then either MEA03, MEA05, or MEA06 must contain '99999'.			
X	**MEA08**	**936**	**Measurement Attribute Code**	**X**	**ID**	**2/2**
			Code used to express an attribute response when a numeric measurement value cannot be determined. Refer to 003041 Data Element Dictionary for acceptable code values.			
X	**MEA09**	**752**	**Surface/Layer/Position Code**	**O**	**ID**	**2/2**
			Code indicating the product surface, layer or position that is being described. Refer to 003041 Data Element Dictionary for acceptable code values.			
X	**MEA10**	**1373**	**Measurement Method or Device**	**O**	**ID**	**2/4**
			The method or device used to record the measurement Refer to 003041 Data Element Dictionary for acceptable code values.			

Segment: **LM** **Code Source Information**
Position: 172
Loop: LM
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To transmit standard code list identification information
Syntax Notes:
Semantic Notes:
Comments: **1** LM02 identifies the applicable industry code list source information.
Notes: This loop specifies PCS unit of measure codes.

Example: LM*EP*PCS180 N/L

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
> >	**LM01**	**559**	**Agency Qualifier Code**	**M**	**ID**	**2/2**
			Code identifying the agency assigning the code values.			
			EP United States Environmental Protection Agency (EPA)			
> >	**LM02**	**822**	**Source Subqualifier**	**O**	**AN**	**1/15**
			A reference that indicates the table or text maintained by the Source Qualifier.			
			PCS + the measurement unit code table number (e.g. PCS180).			

Segment: **LQ** **Industry Code**
Position: 174
Loop: LM
Level: Detail
Usage: Mandatory
Max Use: >1
Purpose: Code to transmit standard industry codes
Syntax Notes: **1** If LQ01 is present, then LQ02 is required.
Semantic Notes:
Comments:
Notes: Example: LQ**57 N/L

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
	LQ01	**1270**	**Code List Qualifier Code** Code identifying a specific industry code list Refer to 003041 Data Element Dictionary for acceptable code values.	**O**	**ID**	**1/3**
>>	**LQ02**	**1271**	**Industry Code** Code indicating a code from a specific industry code list PCS unit of measure code from Industry Code List identified in LM02.	**X**	**AN**	**1/20**

Segment: **SE** **Transaction Set Trailer**
Position: 010
Loop:
Level: Summary
Usage: Mandatory
Max Use: 1
Purpose: To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments).
Syntax Notes:
Semantic Notes:
Comments: **1** SE is the last segment of each transaction set.
Notes: Example: SE*58*0001 N/L

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
> >	**SE01**	**96**	**Number of Included Segments**	**M**	**N0**	**1/10**
			Total number of segments included in a transaction set including ST and SE segments.			
> >	**SE02**	**329**	**Transaction Set Control Number**	**M**	**AN**	**4/9**
			Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set			
			Must equal value in ST02.			

C.2 Detailed Mapping

The following is a detailed mapping of an 863. It gives examples and explanations for the usage of this transaction set.

HEADER AREA

POS DE#	SEGMENT/ELEMENT INFORMATION		
010	**ST*863*00001 N/L**		
	Transaction Set Header		
143	ST01	863	Transaction Set ID Code. 863 - Report of Test Results
329	ST02	00001	Transaction Set Control Number.
020	**BTR*05*941202*1030*DJ*628307*62502 N/L**		
	Beginning Segment for Test Results		
353	BTR01	05	Transaction Set Purpose . 00 - Original 05 - Replace
373	BTR02	941202	Date the transaction was created - December 2, 1994.
337	BTR03	1030	Time the transaction was created - 10:30 PM.
755	BTR04	DJ	Report Type Code. DJ - Discharge Monitoring Report
127	BTR05	628307	Report Number.
127	BTR06		Previous Report Number when the report is to be Replaced. i.e when BTR01 equals 05.
Floating	**NTE*NCD*Additional test information N/L**		
	Note\Special Instruction		
363	NTE01	NCD	Note Reference Code NCD - Nonconformance Specification. This segment is used to elaborate any addtional parameter information.
3	NTE02	Text	Free Form Message Free-form text.
050	**DTM*458*940115 N/L**		
	Date/Time Reference		
374	DTM01	458	Date/Time Qualifier. 458 - Certification
373	DTM02	940115	Date the Responsible Corporate Officer certified this Dischagre Monitoring Report - January 15, 1994.
050	**DTM*090*941201 N/L**		

Date/Time Reference

374	DTM01	090	Date/Time Qualifier. 090 - Report Start
373	DTM02	941201	Date December 1, 1994

050 DTM*091*941231 N/L
Date/Time Reference

374	DTM01	091	Date/Time Qualifier. 091 - Report End
373	DTM02	941231	Date December 31, 1994

080 N1*8D*ABC Company N/L
Name

98	N101	8D	Entity Identifier Code. 8D - Permit Holder
93	N102	ABC Company	Name Submitting Company Name.
66	N103		Identification Code Qualifier. Not Used
67	N104		ID Code Not used when N101 = 8D

120 REF*PN*XXD003301 N/L
Reference Numbers

128	REF01	PN	Reference Number Qualifier. PN - Permit Number
127	REF02	XXD003301	Reference Number NPDES permit number of the site reporitng.

130 PER*CE*John Smith*TE*(800)555-1212 N/L
Administrative Communications Contact

366	PER01	CE	Contact Function Code. CE - Certifier See DE 366 for choices. Too many to lis t here.
93	PER02	John Smith	Name.
365	PER03	TE	Communications Number Qualifier TE - Telephone
364	PER04	(800) 555-1212	Communication Number Telephone number of certifier.

140 REF*4A*A534 N/L
Reference Numbers

128	REF01	4A	Reference Number Qualifier. 4A - Personal Identification Number
127	REF02	A534	Reference Number The number assigned by Region 6 to the individual responsible for the signing the paper DMR.

080 N1*ZD94*6WEA N/L**
Name

98	N101	ZD	Entity Identifier Code. ZD - Party to Receive Reports
93	N102		Name Not Used
66	N103	94	Identification Code Qualifier. 94 - Code assigmed by the organization that is the ultimate destination of the transaction set.
67	N104	6WEA	ID# assigned by the EPA. Used when N101 = ZD. 6WEA is the Region 6 Mailcode

DETAIL AREA

010 LIN*1*P5*001A N/L
Item Identification

350	LIN01	1	Assigned Identification Sequential number to uniquely identifiy the repetition of the loop. Begin with 1 and increment by 1 for each subsequent occurrence of the loop.
235	LIN02	P5	Product/Service ID. Qualifier. P5 - Material Discharge Number.
234	LIN03	1	Product/Service ID Number Discharge Number.

Floating NTE*NCD*Additional test information N/L
Note\Special Instruction

363	NTE01	NCD	Note Reference Code NCD - Nonconformance Specification. This segment is used to elaborate any addtional parameter information.
3	NTE02	Text	Free Form Message Free-form text.

040 PID*S*08*EP*TAB1B*PCS160**

Product/Item Description

349	PID01	S	Item Description Type S - Structured from the PCS Codes and Descriptions Volume
750	PID02	08	Product/Process Characteristic Code 08 - for the PCS Parameter Code 12 - for the PCS Sample Type Code 28 - for the PCS Test Sample Frequency Code 29 - for the PCS Monitoring Location Code 88 - for the PCS No Discharge Indicator Code
559	PID03	EP	Agency Qualifier Code EP - U.S. EPA
751	PID04	TAB1B	Product Description Code PCS Code from code table referenced in PID07.
822	PID07	PCS160	Source Subqualifier PCS + the appropriate code table number PCS160 when PID02=08 PCS150 when PID02=12 PCS050 when PID02=28 PCS080 when PID02=29 PCS490 when PID02=88

120 MEA*CT3*1N N/L**

Measurements

737	MEA01	CT	Measurement Reference ID Code. CT - Counts
739	MEA03	3	Measurement Qualifier Number of Excursions.
C001	MEA04	59	Composite Unit of Measure. 1N - Count

060 CID*TR N/L

Characteristic/Class ID

750	CID01	TR	Measurement Qualifier TR - Length Type: Random. This code is in place to initiate the CID loop.

150 MEA*TR*CONEA*6.3 N/L (Concentration minimum is 6.3)**

Measurements

737	MEA01	TR	Measurement Reference ID Code. TR - Test Results
738	MEA02	CON	Measurement Qualifier. CON - Concentration

001	MEA04	EA	Composite Unit of Measure. EA - Each. This is used as dummy code
740	MEA06	6.3	Range Minimum The minimum value is 6.3.

150 MEA*TR*CON*2.3*EA N/L (Concentration average is 2.3)
Measurements

737	MEA01	TR	Measurement Reference ID Code. TR - Test Results
738	MEA02	CON	Measurement Qualifier. CON - Concentration
741	MEA03	2.3	Measurement Value The average concentration is 2.3
C001	MEA04	EA	Composite Unit of Measure. EA - Each. This is used as dummy code

150 MEA*TR*QUREA**1000*07 N/L (Quantity maximum is less than 1000)**
Measurements

737	MEA01	TR	Measurement Reference ID Code. TR - Test Results
738	MEA02	QUR	Measurement Qualifier. QUR - Quantity
741	MEA06	1000	Range Maximum
935	MEA07	07	Measurement Significance Code 07 - Less than

150 MEA*TR*QUR*99999*23 N/L (Average quantity is too number to count.)**
Measurements

737	MEA01	TR	Measurement Reference ID Code. TR - Test Results
738	MEA02	QUR	Measurement Qualifier. QUR - Quantity
741	MEA03	99999	Measurement Value. This segment is used to report the average value. When the average is too numerous to count, this 99999 is reported to indicate average value. MEA07=23 to indcates the attribute of too numerous to count.
935	MEA07	07	Measurement Significance Code 23 - Predicted. This code value is used to indicate too numerous to count. When 23 is used, either MEA03, MEA05, or MEA06 must equal 99999 in order to show whether the average, minimum, or maximum is too numerous to count.

172	**LM*EP*PCS180 N/L** **Code Source Information**		
559	LM01	EP	Agency Qualifier Code EP - U.S. EPA
822	LM02	PCS180	Source Subqualifier PCS180 - Table 180 from the PCS Codes and Descriptions Manual
174	**LQ**57** **Industry Code**		
1271	LQ02	57	Industry Code 57 - Gallons. This value is from the code table listed in LM02.

SUMMARY AREA

020	**SE*58*0001 N/L** **Transaction Set Trailer**		
96	SE01	58	Number of Included Segments (in the tr ansaction).
329	SE02	00001	Transaction Set Control Number. Must be the same as in ST02.

C.3 Sample Transmission

The following is a sample transmission of the DMR:

```
ISA*00*              *01*SITE NAME  *01*XXD003456780
*01*057944910*921014*1743*U*00304*000000034*0*T*: N/L
GS*RT*DMR PILOT*PCS*921014*1734*34*X*003040 N/L
ST*863*00822 N/L
BTR*00*921014*1730*DJ*0001 N/L
DTM*090*920501 N/L
DTM*091*920531 N/L
DTM*058*921014 N/L
N1*8D*ABC COMPANY N/L
REF*PN*XX03301 N/L
PER*CE*JOHN SMITH*TE*800/555-1212 N/L
REF*4A*02021 N/L
N1*ZD**94*6WEA N/L
LIN*1*P5*001A N/L (Discharge Number)
PID*S*08*EP*00011***PCS160 N/L (Parameter)
PID*S*12*EP*RT***PCS150 N/L  (Sample Type)
PID*S*28*EP*01/01***PCS050 N/L  (Frequency of Analysis)
MEA*CT**0*1N N/L  (# of excursions)
CID*TR N/L
MEA*TR*CON**EA**92 N/L  (Concentration)
LM*EP*PCS180 N/L
LQ**8X N/L
MEA*TR*CON*85.45*EA N/L
LM*EP*PCS180 N/L
LQ**8X N/L
LIN*2*P5*001A N/L
NTE*NCD*THERE WERE SEVEN EXCEEDANCES OF THE 6 - 9 PH MONITORING IN
MA N/L
NTE*NCD*Y (5 PH-HIGHS AND 2 PH-LOWS). N/L
NTE*NCD*THESE WERE NOT NON-COMPLIANCES, BUT EXCURSIONS 9PER PART
II N/L
NTE*NCD*I.5, THIS PERMIT. N/L
PID*S*08*EP*00400***PCS160 N/L
PID*S*12*EP*RT***PCS150 N/L
PID*S*28*EP*01/01***PCS050 N/L
MEA*CT**0*1N N/L
CID*TR N/L
MEA*TR*CON**EA**10 N/L
LM*EP*PCS180 N/L
LQ**UN N/L
MEA*TR*CON*5.7*EA N/L
LM*EP*PCS180 N/L
LQ**UN N/L
LIN*3*P5*001A N/L
PID*S*08*EP*34641***PCS160 N/L
PID*S*12*EP*24***PCS150 N/L
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PID*S*28*EP*01/30***PCS050 N/L
MEA*CT**0*1N N/L
CID*TR N/L
MEA*TR*QUR**EA**0 N/L
LM*EP*PCS180 N/L
LQ**8D N/L
MEA*TR*QUR*0*EA N/L
LM*EP*PCS180 N/L
LQ**8D N/L
LIN*4*P5*001A N/L
PID*S*08*EP*39084***PCS160 N/L
PID*S*12*EP*24***PCS150 N/L
PID*S*28*EP*01/30***PCS050 N/L
MEA*CT**0*1N N/L
CID*TR N/L
MEA*TR*QUR**EA**0 N/L
LM*EP*PCS180 N/L
LQ**8D N/L
MEA*TR*QUR*0*EA N/L
LM*EP*PCS180 N/L
LQ**8D N/L
LIN*5*P5*001A N/L
PID*S*08*EP*50050***PCS160 N/L
PID*S*12*EP*CA***PCS150 N/L
PID*S*28*EP*01/01***PCS050 N/L
MEA*CT**0*1N N/L
CID*TR N/L
MEA*TR*QUR**EA**584 N/L
LM*EP*PCS180 N/L
LQ**7E N/L
MEA*TR*QUR*543.94*EA N/L
LM*EP*PCS180 N/L
LQ**7E N/L
LIN*6*P5*001A N/L
PID*S*08*EP*50060***PCS160 N/L
PID*S*12*EP*GR***PCS150 N/L
PID*S*28*EP*01/01***PCS050 N/L
MEA*CT**0*1N N/L
CID*TR N/L
MEA*TR*QUR**EA**0 N/L
LM*EP*PCS180 N/L
LQ**8D N/L
MEA*TR*QUR*0*EA N/L
LM*EP*PCS180 N/L
LQ**8D N/L
LIN*7*P5*001A N/L
PID*S*08*EP*78171***PCS160 N/L
PID*S*12*EP*24***PCS150 N/L
PID*S*28*EP*01/30***PCS050 N/L
MEA*CT**0*1N N/L
CID*TR N/L
```

```
MEA*TR*QUR**EA**0 N/L
LM*EP*PCS180 N/L
LQ**8D N/L
MEA*TR*QUR*0*EA N/L
LM*EP*PCS180 N/L
LQ**8D N/L
SE*99*00822 N/L
ST*863*00823 N/L
BTR*00*921014*1730*DJ*0002 N/L
DTM*090*920501 N/L
DTM*091*920531 N/L
DTM*058*920614 N/L
N1*8D*ABC COMPANY N/L
REF*PN*XXD003311 N/L
PER*CE*JOHN SMITH*TE*800/555-1212 N/L
REF*4A*22122 N/L
N1*ZD**94*6WEA N/L
LIN*1*P5*002A N/L (Discharge Number)
PID*S*08*EP*00400***PCS160 N/L (Parameter)
PID*S*12*EP*GR***PCS150 N/L  (Sample Type)
PID*S*28*EP*01/30***PCS050 N/L  (Frequency of Analysis)
MEA*CT**0*1N N/L  (# of excursions)
CID*TR N/L
MEA*TR*CON**EA**7.6 N/L (Concentration)
LM*EP*PCS180 N/L
LQ**UN N/L
MEA*TR*CON*7.6*EA N/L
LM*EP*PCS180 N/L
LQ**UN N/L
LIN*2*P5*002A N/L (Discharge Number)
PID*S*08*EP*00556***PCS160 N/L (Parameter)
PID*S*12*EP*GR***PCS150 N/L  (Sample Type)
PID*S*28*EP*01/30***PCS050 N/L  (Frequency of Analysis)
MEA*CT**0*1N N/L  (# of excursions)
CID*TR N/L
MEA*TR*CON**EA**0 N/L (Concentration)
LM*EP*PCS180 N/L
LQ**M1 N/L
LIN*3*P5*002A N/L (Discharge Number)
PID*S*08*EP*00680***PCS160 N/L (Parameter)
PID*S*12*EP*GR***PCS150 N/L  (Sample Type)
PID*S*28*EP*01/30***PCS050 N/L  (Frequency of Analysis)
MEA*CT**0*1N N/L  (# of excursions)
CID*TR N/L
MEA*TR*CON**EA**28 N/L (Concentration)
LM*EP*PCS180 N/L
LQ**M1 N/L
LIN*4*P5*002A N/L (Discharge Number)
NTE*NCD*WHEN FLOWING N/L
PID*S*08*EP*50050***PCS160 N/L (Parameter)
PID*S*12*EP*ES***PCS150 N/L  (Sample Type)
```

```
PID*S*28*EP*01/30***PCS050 N/L  (Frequency of Analysis)
MEA*CT**0*1N N/L  (# of excursions)
CID*TR N/L
MEA*TR*QUR**EA**.09 N/L (Concentration)
LM*EP*PCS180 N/L
LQ**7E N/L
MEA*TR*QUR*.09*EA N/L
LM*EP*PCS180 N/L
LQ**7E N/L
SE*54*00823 N/L
GE*2*34 N/L
IEA*1*000000034 N/L
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